

WHAT IS CLAIMED IS:

1. A surface covering panel comprising:
at least one support layer with or without texturing; at least one base coating located on top
of said support layer having a textured surface; at least one printed pattern located on said
5 textured surface and in registered with said textured surface; and at least one protective layer
located on the printed pattern.
2. The surface covering panel of claim 1, wherein said printed pattern is a
digital printed pattern.
3. The surface covering panel of claim 1, wherein said printed pattern is a
10 digital inkjet printed pattern.
4. The surface covering panel of claim 1, wherein said printed pattern and said
textured design is in register to about 1 mm or less.
5. The surface covering panel of claim 1, wherein said textured design has an
embossed depth of from about 3 mils to about 15 mils.
- 15 6. The surface covering panel of claim 1, wherein said textured design has an
embossed depth of from about 1 mil to about 15 mils.
7. The surface covering panel of claim 1, wherein said printed pattern has a
wood, tile, brick, ceramic, textile weave or stone pattern design.
8. The surface covering panel of claim 1, wherein said printed pattern has a
20 resolution of at least about 100 dpi.
9. The surface covering panel of claim 1, wherein said printed pattern has a
resolution of from about 150 dpi to about 750 dpi.
10. The surface covering panel of claim 1, wherein said support layer is a wood-
based substrate.

11. The surface covering panel of claim 1, wherein said support layer comprises a polymer-based layer.
12. The surface covering panel of claim 1, wherein said support layer comprises particle board.
- 5 13. The surface covering panel of claim 1, wherein said base coating comprises a polymeric layer.
14. The surface covering panel of claim 1, wherein said at least one protective layer comprises a urethane top coat layer.
15. The surface covering panel of claim 1, wherein said support layer has a
10 textured surface.
16. The surface covering panel of claim 1, wherein said support layer and said base coating have a textured surface.
17. The surface covering panel of claim 1, wherein said support layer comprises a wood and fiber board composite.
- 15 18. A method of making the surface covering panel of claim 1, wherein said method comprises applying at least one base coating onto a support surface; applying a textured surface onto said base coating to form a textured surface; printing a pattern onto said textured surface; applying at least one protective coating onto said printed pattern; wherein said textured surface and said printed pattern are in register.
- 20 19. The method of claim 18, wherein said printing is accomplished with an inkjet printing system.
20. The method of claim 18, wherein said printing is accomplished with a digital inkjet printing system.
21. The method of claim 18, wherein said textured surface is created with a

platen press or an embossed roll.

22. The method of claim 18, wherein said printing is at a resolution of at least 100 dpi.

23. The method of claim 18, wherein said printing is at a resolution of about 150
5 dpi to about 750 dpi.

24. The method of claim 18, further comprising applying at least one adhesive base coating prior to applying at least one base coating onto said support surface.

25. The method of claim 18 further comprising applying a bottom balance layer to the bottom surface of the said support surface.

10 26. The method of claim 18, wherein said support surface is surface treated prior to the application of at least one base coating.

27. The method of claim 18, wherein at least two protective coatings are applied.

28. The method of claim 27, wherein one protective coating is a nano-composite urethane topcoat layer and the other protective layer is a urethane topcoat layer, wherein
15 each protective layer optionally has different gloss levels.

29. The method of claim 18, wherein said support layer has a textured surface.

30. A surface covering panel comprising: ✓
at least one support layer having a textured surface; at least one base coating located on said support layer optionally having a textured surface; at least one printed pattern located on
20 said textured surface and in registered with said textured surface; and at least one protective layer located on the printed pattern.

31. The surface covering panel of claim 1 further comprising at least one adhesive base coat located between said base coating and said support layer.

32. The surface covering panel of claim 1, wherein said support layer is a surface

treated support layer.

33. The surface covering panel of claim 1, wherein said at least one protective layer comprises two protective layers.

34. The surface covering panel of claim 33, wherein one of the protective layers
5 comprises a nano-composite urethane topcoat and the other protective layer comprises a urethane topcoat layer.

35. The surface covering panel of claim 33, wherein one of said protective layers comprises a low gloss nano-composite urethane topcoat layer and the other protective layer comprises a high gloss urethane topcoat layer.

10 36. The surface covering panel of claim 35, wherein said high gloss urethane topcoat layer is located on top of said nano-composite urethane topcoat layer.

37. The surface covering panel of claim 1, wherein said support layer comprises a high density fiber board.

38. The surface covering panel of claim 1, further comprising a bottom balance
15 layer located on the bottom of said at least one support layer.

39. A surface covering panel comprising:
at least one support layer with texturing; optionally at least one base coating located on top
of said support layer with or without a textured surface; at least one printed pattern located
on said support layer or said textured surface and in registered with said texturing on said
20 support layer; and at least one protective layer located on the printed pattern.